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PTO/SB/21 (04-04)
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EMA			Application Number	10/805,9	84	
TRANSMITTAL			Filing Date	March 22	2, 2004	
FORM			First Named Inventor	Daniel P	Lawrence et al.	
(to be used for all co	rrespondence after initi	al filing)	Art Unit	1775		
			Examiner Name	Unknow	1	
Total Number of Pages	in This Submission		Attorney Docket Number	5898000	194DVC	
		ENCLOS	URES (check all that apply)		
Fee Transmittal F	orm	☐ Drawing(s)		Allowance Communication to	
Fee Attached		Licensing	g-related Papers	☐ Appea	Il Communication to Board of als and Interferences	
Amendment / Rep	oly	Petition		☐ Appea	al Communication to TC	
After Final			o Convert to a nal Application	1_	etary Information	
Affidavits/decl	aration(s)		Attorney, Revocation of Correspondence Address	☐ Status	Letter	
Extension of Time	Request	Terminal	Disclaimer		Other Enclosure(s) (please identify below):	
Express Abandonment Request					rm 1449 (without attached erences) and Return Postcard	
Information Disclo	sure Statement					
Certified Copy of F	Priority	Remarks	fees that may be red	uired under 3	orized to charge any additional 7 CFR 1.16 or 1.17 to Deposit	
Response to Missi			Account No. 08-075	J. A duplicate	copy of this sheet is enclosed.	
Response to M Parts under 3 1.52 or 1.53						
	SIGNA	TURE OF AP	PLICANT, ATTORNEY,	OR AGENT		
Firm <i>or</i> Individual name	Firm or Harness, Dickey & Pierce, P.L.C		Attorney Name Anna M. Budde	R	eg. No. 5,085	
Signature Anna M Bu			dde			
Date June 25, 2004						
	C	ERTIFICATE	OF TRANSMISSION/MA	ILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.						
Typed or printed name				Express Mail Label No.	EV 533 148 921 US (6/25/2004)	
Signature Umna M			Buda-	Date	June 25, 2004	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/805,984

Filing Date:

March 22, 2004

Applicant:

Daniel P. Lawrence et al.

Group Art Unit:

1775

Examiner:

Unknown

Title:

ARTICLE HAVING PRINTED CONDUCTIVE INK

Attorney Docket:

5898-000194/DVC

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. <u>COPIES</u>

A.____ Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cross-referenced pending U.S. application listed below in Section IV, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. X Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

10/075,777

February 14, 2002

C. X Because the present application was/is being filed after June 30, 2003, no
copies of the U.S. patents or U.S. patent application publications which are listed
on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R.
§ 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on
the attached Form 1449 are enclosed herewith.

D.____ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. X Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B.____ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

- 1.___See the attached foreign patent office communication from a counterpart foreign application.
- 2.____English translations are provided.
- 3. Other:

C. ____The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. X The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.	Filing Date	Art Unit
10/075,777 PCT US 03/04441	02-14-2002 02-13-2003	1751
10/805,952	03-22-2004	1775

 10/805,986
 03-22-2004
 1751

 10/805,953
 03-22-2004
 1775

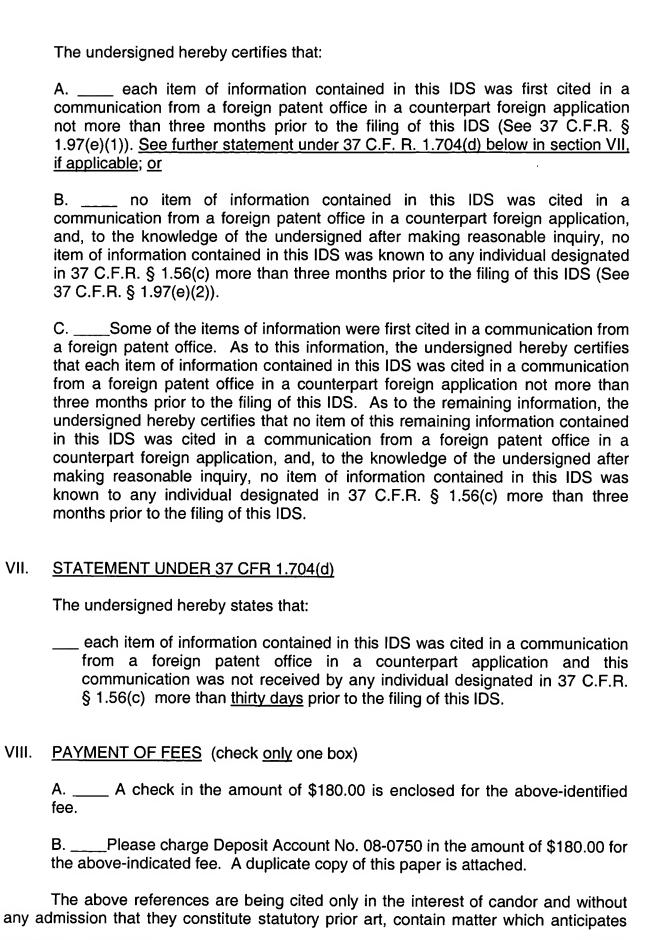
V. THIS IDS IS BEING FILED UNDER

AX_	37 C.F.R. § 1.97(b): (check only one box)
	1 within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2 within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3. X before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4 before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
В	_37 C.F.R. § 1.97(c): (check only one box)
	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2See the certification below. No fee is required.
C	_37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before

1. ____See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. <u>CERTIFICATION UNDER 37 C.F.R. § 1.97(e):</u> (check <u>only</u> one box)

payment of the issue fee.



Serial No. 10/805,984

the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: June 25, 2004

Anna M. Budde Reg. No. 35,085

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600



FORM HDP99449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET No.	SERIAL NO.
589800194DVC	10/805,984
APPLICANT	
Daniel P. Lawrence et al.	
FILING DATE	GROUP
March 22, 2004	1775

U.S. F	U.S. PATENT DOCUMENTS					
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		3,349,055	10/24/67	Taguchi		
2.		4,493,639	01-15-85	Suster		
3.		4,725,478	02/16/88	Mathias et al.		
4.		4,826,631	05-02-89	Sullivan		
5.		5,192,361	03/09/93	Schilling		
6.		5,672,198	9/30/97	Belmont		
7.	(1)	5,705,098	01/98	Okuda et al.		
8.		5,890,429	04-06-99	Alam et al.		
9.		5,951,918	09/99	Kuwajima et al.		
10.		5,989,460	11/23/99	Corner		
11.		6,086,791	7/11/00	Miller		
12.		6,106,742	8/22/00	Argyropoulos et al.		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		EP 0 044 378 A1	01-27-82	Europe			
2.		1 526 017	09-27-78	Great Britain	_		
3.		JP 11-302587	11-1999	Japan			

Examiner:	Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 2

ATTORNEY DOCKET NO.	SERIAL NO.
589800194DVC	10/805,984
APPLICANT	
Daniel P. Lawrence et al.	
FILING DATE	GROUP
March 22, 2004	1775

FORE	FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
4.		JP 08-231906	09-1996	Japan			
5.		WO 97/48257	18.12.97	WIPO			-
6.		WO 00/33625	8.6.00	WIPO			
7.		WO 96/17025	6.6.1996	WIPO			
8.		WO 03/068874 A1	21.08.2003	WIPO			

OTHE	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)					
Ref. Desig.	Examiner's Initials	·				
1.		A. Brent Strong et al., "Conductive Polymers, Why They Were Worth the Nobel Prize," Composites Fabrication, March 2001, 14-23.				
2.		Blue Ramsey et al., "Handbook of Conductive Lithographic Films", Brunel University, April 2000.				
3.		Ken Gilleo, "The Role of Screen Printing in Modern Electronics Production," ScreenPrinting, June 2001, 54-60.				
4.		Sartomer Application Bulletin, "SMA® Resins For High Gloss and Thermal Resistant Overprint Varnishes," 3 pages, 04/2002				
5.		Specialty Chemical Sales, Inc., "Minatec Bright Conductive Pigments for Antistatic Coatings and Conductive Primers," www.empigments.com, September 1999.				
6.	1	Specialty Chemical Sales, Inc., "Minatec CM Pigments", EM Industries, Inc.				

Examiner:	Date Considered: